

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date:

Edited by:

Verified by:

Serial Number: 10/088,771

BLPC710

#17
1/2/2003

Changed a file from non-ASCII to ASCII **ENTERED**

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____.

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

Other:

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,771

DATE: 01/02/2003
 TIME: 17:37:55

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\01022003\J088771.raw

```

2 <110> APPLICANT: KATO, Kaneyoshi
3     TERAUCHI, Jun
4     MORI, Masaaki
5     SUZUKI, Nobuhiro
6     SHIMOMURA, Yukio
7     TAKEKAWA, Shiro
8     ISHIHARA, Yuji
10 <120> TITLE OF INVENTION: Melanin Concentrating Hormone Antagonist
12 <130> FILE REFERENCE: 2648US0P
14 <140> CURRENT APPLICATION NUMBER: 10/088,771
15 <141> CURRENT FILING DATE: 2002-03-19
17 <150> PRIOR APPLICATION NUMBER: PCT/JP00/06375
18 <151> PRIOR FILING DATE: 2000-09-19
19 <150> PRIOR APPLICATION NUMBER: JP 11-266298
20 <151> PRIOR FILING DATE: 1999-09-20
21 <150> PRIOR APPLICATION NUMBER: JP 11-357889
22 <151> PRIOR FILING DATE: 1999-12-16
23 <150> PRIOR APPLICATION NUMBER: JP 2000-126272
24 <151> PRIOR FILING DATE: 2000-04-20
26 <160> NUMBER OF SEQ ID NOS: 16
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 32
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
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33 <223> OTHER INFORMATION: primer
35 <400> SEQUENCE: 1
36 gtcgacatgg atctgcaaac ctcgttgctg tg 32
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 32
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
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43 <223> OTHER INFORMATION: primer
45 <400> SEQUENCE: 2
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48 <210> SEQ ID NO: 3
49 <211> LENGTH: 353
50 <212> TYPE: PRT
51 <213> ORGANISM: Rat
53 <400> SEQUENCE: 3
54 Met Asp^Leu Gln Thr Ser Leu Leu Ser Thr Gly Pro Asn Ala Ser Asn
55 1           5           10          15

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PATENT APPLICATION: US/10/088,771

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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01022003\J088771.raw

56 Ile Ser Asp Gly Gln Asp Asn Leu Thr Leu Pro Gly Ser Pro Pro Arg
 57 20 25 30
 58 Thr Gly Ser Val Ser Tyr Ile Asn Ile Ile Met Pro Ser Val Phe Gly
 59 35 40 45
 60 Thr Ile Cys Leu Leu Gly Ile Val Gly Asn Ser Thr Val Ile Phe Ala
 61 50 55 60
 62 Val Val Lys Lys Ser Lys Leu His Trp Cys Ser Asn Val Pro Asp Ile
 63 65 70 75 80
 64 Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu Phe Leu Leu Gly Met
 65 85 90 95
 66 Pro Phe Met Ile His Gln Leu Met Gly Asn Gly Val Trp His Phe Gly
 67 100 105 110
 68 Glu Thr Met Cys Thr Leu Ile Thr Ala Met Asp Ala Asn Ser Gln Phe
 69 115 120 125
 70 Thr Ser Thr Tyr Ile Leu Thr Ala Met Thr Ile Asp Arg Tyr Leu Ala
 71 130 135 140
 72 Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg Lys Pro Ser Met Ala
 73 145 150 155 160
 74 Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser Phe Ile Ser Ile Thr
 75 165 170 175
 76 Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe Pro Gly Gly Ala Val
 77 180 185 190
 78 Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr Asp Leu Tyr Trp Phe
 79 195 200 205
 80 Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu Pro Phe Val Val Ile
 81 210 215 220
 82 Thr Ala Ala Tyr Val Lys Ile Leu Gln Arg Met Thr Ser Ser Val Ala
 83 225 230 235 240
 84 Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr Lys Arg Val Thr Arg
 85 245 250 255
 86 Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val Cys Trp Ala Pro Tyr
 87 260 265 270
 88 Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser Arg Pro Thr Leu Thr
 89 275 280 285
 90 Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu Gly Tyr Ala Asn Ser
 91 290 295 300
 92 Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys Glu Thr Phe Arg Lys
 93 305 310 315 320
 94 Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln Gly Gln Leu Arg Thr
 95 325 330 335
 96 Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg Thr Glu Ser Lys Gly
 97 340 345 350
 98 Thr
 99 353
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 102 <211> LENGTH: 1074
 103 <212> TYPE: DNA
 104 <213> ORGANISM: Rat
 106 <400> SEQUENCE: 4

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Input Set : A:\PTO.AMC.txt
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107 gtcgacatgg atctgcaaac ctcgttgctg tccactggcc ccaatgccag caacatctcc 60
108 gatggccagg ataatctcac attgccgggg tcacccctc gcacaggag tgtctcctac 120
109 atcaacatca ttatgcctc cgtgttgg accatctgtc tcctgggcat cgtggaaac 180
110 tccacggtca tctttgctgt ggtgaagaag tccaagctac actggtgccag caacgtcccc 240
111 gacatcttca tcataaacct ctctgtggg gatctgtct tcctgtggg catgccttc 300
112 atgatccacc agctcatggg gaacggcgcc tggcactttg gggaaaccat gtgcaccctc 360
113 atcacagcca tggacgccaa cagtcaatcc actagcacct acatcctgac tgccatgacc 420
114 attgaccgct acttggccac cgtccacccc atctccctca ccaagttccg gaagccctcc 480
115 atggccaccc tggtgatctg cctccctgtgg ggcgtctct tcatacgat caccctgtg 540
116 tggctctacg ccaggctcat tcccttccca ggggggtgtg tgggctgtgg catccgcctg 600
117 ccaaaccggg acactgaccc tcaatgggtt actctgtacc agtttttccct ggcctttgcc 660
118 cttccgtttg tggtcattac cggccgcatac gtgaaaatac tacagcgtcat gacgtcttcg 720
119 gtggcccccag cctcccaacg cagcatccgg ctccggacaa agagggtgac ccgcacggcc 780
120 attgccatct gtctgggttt ctttgtgtgc tgggcaccct actatgtgt gcaagctgacc 840
121 cagctgtcca tcagccgccc gaccctcaacg tttgtctact tgtacaacgc ggccatcagc 900
122 ttgggctatg ctaacagctg cctgaacccc ttttgttaca tagtgctctg tgagaccttt 960
123 cgaaaacgct tggtggtgtc agtgaagcct gcagcccagg ggcagctccg cacggtcagc 1020
124 aacgctcaga cagctgtatga ggagaggaca gaaagcaaag gcacactgaac tagt 1074
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 262
128 <212> TYPE: RNA
129 <213> ORGANISM: Rat
131 <400> SEQUENCE: 5
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133 uccugcagcc cgggggaucc gcccacuagu ucaggugccu uugcuuucug uccucuccuc 120
134 aucagcuguc ugagcguugc ugaccgugcg gagcugcccc ugggcugcag gcuucacuga 180
135 caacaccaag cguuuucgaa aggucucaca gagcacuaug uacacaaagg gguucaggca 240
136 gcuguuagca uagcccaagc ug 262
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 18
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
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143 <223> OTHER INFORMATION: primer
145 <400> SEQUENCE: 6
146 caacagctgc ctcaaccc 18
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 18
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
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153 <223> OTHER INFORMATION: primer
155 <400> SEQUENCE: 7
156 cctgggtgatc tgcctct 18
158 <210> SEQ ID NO: 8
159 <211> LENGTH: 1275
160 <212> TYPE: DNA
161 <213> ORGANISM: Human
163 <400> SEQUENCE: 8

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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01022003\J088771.raw

164	taggtatgt	cagtgggagc	catgaagaag	ggagtgggaa	gggcagttgg	gcttggaggc	60										
165	ggcagcggct	gccaggctac	ggaggaagac	ccccttccca	actgcggggc	ttgcgctccg	120										
166	ggacaagggt	gcaggcgctg	gaggctgccg	cagcctgcgt	gggtggaggg	gagctcagct	180										
167	cggtgtggg	agcaggcgac	cggcactggc	tggatggacc	tggaagcctc	gctgctgccc	240										
168	actggtcca	acgcccagcaa	cacctctgtat	ggccccata	acctcacatc	ggcaggatca	300										
169	cctcctcgca	cggggagcat	ctcctacatc	aacatcatca	tgccttcgg	gttcggcacc	360										
170	atctgcctcc	tgggcatcat	cgggaactcc	acggtcatct	tgcggcgt	gaagaagtcc	420										
171	aagctgcact	ggtgcacaaa	cgtccccgac	atcttcatca	tcaacctctc	ggttagat	480										
172	ctccttcc	tcctgggcat	gcccttcatg	atccaccagc	tcatgggcaa	tgggtgtgg	540										
173	cacttgggg	agaccatgtg	caccctcatc	acggccatgg	atgccaatag	tcagttcacc	600										
174	agcacctaca	tcctgaccgc	catggccatt	gaccgctacc	tggccactgt	ccaccccatc	660										
175	tettccacga	agttccggaa	gccctctgtg	gccaccctgg	tgtatctgcct	cctgtggcc	720										
176	ctctccttca	tcagcatcac	ccctgtgtgg	ctgtatgcca	gactcatccc	cttcccagga	780										
177	ggtgcagtgg	gctgoggcat	acgcctgccc	aaccagaca	ctgaccctta	ctggttcacc	840										
178	ctgttaccagt	ttttccctggc	ctttgcctg	cctttgtgg	tcatcacagc	cgcatacgtg	900										
179	aggatcctgc	agcgcacatgac	gtcctcagtg	gccccccgcct	cccagcgcag	catccggctg	960										
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182	gtctacttat	acaatgcggc	catcagctg	ggctatgcca	acagctgcct	caaccccttt	1140										
183	gtgtacatcg	tgctctgtga	gacgttccgc	aaacgcttgg	tcctgtcggt	gaagcctgca	1200										
184	gcccaggggc	agcttcgcgc	tgtcagcaac	gctcagacgg	ctgacgagga	gaggacagaa	1260										
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195	1				5					10				15			
196	Gly	Gly	Gly	Ser	Gly	Cys	Gln	Ala	Thr	Glu	Glu	Asp	Pro	Leu	Pro	Asn	
197						20				25				30			
198	Cys	Gly	Ala	Cys	Ala	Pro	Gly	Gln	Gly	Gly	Arg	Arg	Trp	Arg	Leu	Pro	
199						35				40				45			
200	Gln	Pro	Ala	Trp	Val	Glu	Gly	Ser	Ser	Ala	Arg	Leu	Trp	Glu	Gln	Ala	
201						50				55				60			
202	Thr	Gly	Thr	Gly	Trp	MeT	Asp	Leu	Glu	Ala	Ser	Leu	Leu	Pro	Thr	Gly	
203						65				70				75			80
204	Pro	Asn	Ala	Ser	Asn	Thr	Ser	Asp	Gly	Pro	Asp	Asn	Leu	Thr	Ser	Ala	
205						85				90				95			
206	Gly	Ser	Pro	Pro	Arg	Thr	Gly	Ser	Ile	Ser	Tyr	Ile	Asn	Ile	Ile	MeT	
207						100				105				110			
208	Pro	Ser	Val	Phe	Gly	Thr	Ile	Cys	Leu	Leu	Gly	Ile	Ile	Gly	Asn	Ser	
209						115				120				125			
210	Thr	Val	Ile	Phe	Ala	Val	Val	Lys	Lys	Ser	Lys	Leu	His	Trp	Cys	Asn	
211						130				135				140			
212	Asn	Val	Pro	Asp	Ile	Phe	Ile	Ile	Asn	Leu	Ser	Val	Val	Asp	Leu	Leu	
213						145				150				155			160
214	Phe	Leu	Leu	Gly	MeT	Pro	Phe	MeT	Ile	His	Gln	Leu	MeT	Gly	Asn	Gly	
215						165				170				175			

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PATENT APPLICATION: US/10/088,771

DATE: 01/02/2003
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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01022003\J088771.raw

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216 Val Trp His Phe Gly Glu Thr MeT Cys Thr Leu Ile Thr Ala MeT Asp
217           180          185          190
218 Ala Asn Ser Gln Phe Thr Ser Thr Tyr Ile Leu Thr Ala MeT Ala Ile
219           195          200          205
220 Asp Arg Tyr Leu Ala Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg
221           210          215          220
222 Lys Pro Ser Val Ala Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser
223           225          230          235          240
224 Phe Ile Ser Ile Thr Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe
225           245          250          255
226 Pro Gly Gly Ala Val Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr
227           260          265          270
228 Asp Leu Tyr Trp Phe Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu
229           275          280          285
230 Pro Phe Val Val Ile Thr Ala Ala Tyr Val Arg Ile Leu Gln Arg MeT
231           290          295          300
232 Thr Ser Ser Val Ala Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr
233           305          310          315          320
234 Lys Arg Val Thr Arg Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val
235           325          330          335
236 Cys Trp Ala Pro Tyr Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser
237           340          345          350
238 Arg Pro Thr Leu Thr Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu
239           355          360          365
240 Gly Tyr Ala Asn Ser Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys
241           370          375          380
242 Glu Thr Phe Arg Lys Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln
243           385          390          395          400
244 Gly Gln Leu Arg Ala Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg
245           405          410          415
246 Thr Glu Ser Lys Gly Thr
247           420
249 <210> SEQ ID NO: 10
250 <211> LENGTH: 31
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
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254 <223> OTHER INFORMATION: primer
256 <400> SEQUENCE: 10
257 gtcgacatgg acctgaaagc ctcgctgctg c  31
259 <210> SEQ ID NO: 11
260 <211> LENGTH: 31
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
W--> 263 <220> FEATURE:
264 <223> OTHER INFORMATION: primer
266 <400> SEQUENCE: 11
267 actagttcaag gtgccttgc tttctgtcct c  31
269 <210> SEQ ID NO: 12

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/088,771

DATE: 01/02/2003

TIME: 17:37:56

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01022003\J088771.raw

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L:42 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <220> field identifier
L:152 M:283 W: Missing Blank Line separator, <220> field identifier
L:253 M:283 W: Missing Blank Line separator, <220> field identifier
L:263 M:283 W: Missing Blank Line separator, <220> field identifier
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:275 M:283 W: Missing Blank Line separator, <400> field identifier
L:282 M:283 W: Missing Blank Line separator, <220> field identifier